



सत्यमेव जयते

File No: SEIAA 424 MIN 2023  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), KARNATAKA)

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Dated 03/08/2024



To,

NARASIMHA POOJARI  
NARASIMHA POOJARI  
Bin Di Anta Pookari, 1-48, Hattikudru, Basruru Post, Kundapura Taluk, Udupi District, Karnataka,  
UDUPI, KARNATAKA, 576201  
narasha403@gmail.com

**Subject:** Grant of EC under the provision of the EIA Notification 2006-regarding.

**Sir/Madam,**

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project River Sand Block No. SB-12, in Haladi River Bed, 2.50 Acres, Adj. Sy. No. 249 & 295 of Molahally & Shankarnarayana Village, Kundapura Taluk, Udupi District, Karnataka. submitted to Ministry vide proposal number SIA/KA/MIN/443378/2023 dated 03/06/2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23C0107KA5936579N
(ii) File No.	SEIAA 424 MIN 2023
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals River Sand Block No. SB-12, in Haladi River Bed, 2.50 Acres, Adj. Sy. No. 249 & 295 of Molahally & Shankarnarayana Village, Kundapura Taluk, Udupi District, Karnataka.
(vii) Name of Project	NARASIMHA POOJARI
(viii) Name of Company/Organization	UDUPI, KARNATAKA
(ix) Location of Project (District, State)	SEIAA
(x) Issuing Authority	no
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1(Part A and B) were

submitted to the Ministry for an appraisal by the State Environment Impact Assessment Authority (SEIAA) Appraisal Committee (SEIAA) in the Ministry under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority (SEIAA) Appraisal Committee of SEIAA in the meeting held on 09/07/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.
5. The brief about configuration of plant/equipment, products and byproducts and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A, B and C)/EIA & EMP Reports/presented during SEIAA are annexed to this EC as Annexure (1).
6. The SEIAA, in its meeting held on 09/07/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of EC under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in Annexure (2).
7. The SEIAA has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Environment Impact Assessment Authority (SEIAA) Appraisal Committee hereby decided to grant EC for instant proposal of M/s. NARASIMHA POOJARI under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry reserves the right to stipulate additional conditions, if found necessary.
9. The EC to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. This issues with the approval of the Competent Authority.

#### **Copy To**

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira, Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi – 110 003,
2. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru,
3. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17 th Main Road, Koramangala II Block, Bengaluru –560 034,
4. The Director, Department of Mines and Geology, Khanija Bhavan, Race course road, Bangalore – 560 001,

**Annexure 1**

#### **Additional EC Conditions**

N/A

**Annexure 2**

#### **Details of Products & By-products**

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
River Sand Block No.SB-12S	River Sand Block No.SB-12S	9030	Tons per Annum (TPA)	Road	



# State Level Environment Impact Assessment Authority-Karnataka

(Constituted by MoEF, Government of India, under section 3(3) of E(P) Act, 1986)

No. SEIAA 424 MIN 2023

To,

Sri Narasimha Poojari  
1-48, Hattikudru, Basruru Post  
Kundapura Taluk,  
Udupi District.

Sir,

**Sub:** Proposed River Sand Project - Block No. SB-12 in Haladi River Bed at Adj. Sy. Nos.249 & 295 of Molahally & Shankarnarayana Village, Kundapura Taluk, Udupi District (2.50 Acres) by Sri Narasimha Poojari - Issue of Environmental Clearance - Reg.

\* \* \* \* \*

This has reference to your online application dated 03.06.2024 bearing proposal No. SIA/KA/MIN/443378/2023 addressed to SEIAA, Karnataka on the subject mentioned above. It has been noted that the proposal is for grant of Environmental Clearance under the provisions of EIA Notification, 2006, for Mining of River Sand. The proposal has been appraised as per the procedure prescribed in the provisions of the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the CAF, Form 1, EMP, PFR, Approved Quarry Plan and the additional clarifications furnished in response to the observations of the SEAC, Karnataka. SEAC has recommended the following for issue of Environmental Clearance in their meeting held on 6<sup>th</sup> June 2024.

Sl. No.	Particulars	Information	
1	Type of Mineral	Ordinary River Sand Quarry	
2	New/Expansion/Modification/Renewal	New	
3	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Land	
4	Area in Acres	2.50 Acres	
5	Quarry Plan DMG approval date	19.07.2023	
6	<b>Land Use Details</b>		
	<b>Area (Acres &amp; Cents)</b>		
	a.	Area for Quarrying	2.50
	b.	Roads	-
	c.	Overburden Dumps	-
	d.	Infrastructure	-
	e.	Mineral Storage	-
	f.	Topsoil Yard	-
g.	Safety Zone	-	

	h. Untoched Area	-																		
	i. Other Specify																			
	<b>Total</b>	<b>2.50</b>																		
7	Project Co –Ordinates	<table border="1"> <thead> <tr> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>N 13° 37' 32.20"</td> <td>E 74° 48' 42.3"</td> </tr> <tr> <td>N 13° 37' 34.1"</td> <td>E 74° 48' 38.3"</td> </tr> <tr> <td>N 13° 37' 35.0"</td> <td>E 74° 48' 38.4"</td> </tr> <tr> <td>N 13° 37' 34.5"</td> <td>E 74° 48' 40.5"</td> </tr> <tr> <td>N 13° 37' 31.5"</td> <td>E 74° 48' 44.4"</td> </tr> <tr> <td>N 13° 37' 31.8"</td> <td>E 74° 48' 44.7"</td> </tr> <tr> <td>N 13° 37' 28.7"</td> <td>E 74° 48' 47.4"</td> </tr> <tr> <td>N 13° 37' 27.8"</td> <td>E 74° 48' 47.2"</td> </tr> </tbody> </table>	Latitude	Longitude	N 13° 37' 32.20"	E 74° 48' 42.3"	N 13° 37' 34.1"	E 74° 48' 38.3"	N 13° 37' 35.0"	E 74° 48' 38.4"	N 13° 37' 34.5"	E 74° 48' 40.5"	N 13° 37' 31.5"	E 74° 48' 44.4"	N 13° 37' 31.8"	E 74° 48' 44.7"	N 13° 37' 28.7"	E 74° 48' 47.4"	N 13° 37' 27.8"	E 74° 48' 47.2"
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8	Quarrying Method	Open Cast and Manual method.																		
9	Proved Quantity of mine/ Quarry-Cu.m/Ton	9,030 Tones (including waste)																		
10	Annual Production (Metric Ton / Cum) Per Annum	9,030 Tonns/annum (including waste)																		
11	Waste rock to be handled for a period of five years/Plan Period.	-																		
12	Water Requirement	-																		
13	EMP Budget	Capital Cost - Rs. 17.90 Lakhs & Recurring Cost - Rs. 5.28 lakhs																		
14	Employment details	42 No's																		
15	Project Cost in Rs.	Rs.0.79 Crores (Rs. 79 Lakhs)																		

The SEIAA Karnataka in its meeting held on 9<sup>th</sup> July 2024, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations and has accepted the recommendation of SEAC and has decided to accord Environmental Clearance in accordance with the provisions of Environmental Impact Assessment Notification-2006 and its subsequent amendments, subject to strict compliance of the following terms and conditions: -

**A. SPECIFIC CONDITIONS:**

1. Validity of this Environmental Clearance is limited to Five years from the date of issue of this letter after due replenishment every year.
2. Quarry plan approved by the Department of Mines and Geology shall be strictly implemented for manual method of quarrying and shall not be operated beyond the validity period of the approved quarry plan.
3. The quarry lease area to be properly demarcated using the lat-long coordinates and duly erecting 4 feet concrete/ granite pillars on the ground.
4. Quarrying shall be undertaken strictly in accordance with provisions of MM (D&R) Act 1957/ KMMC RULES-1994.

5. All the conditions stipulated in the Consent for establishment / operation issued, if applicable by the Karnataka State Pollution Control Board should be effectively implemented.
6. The quarrying of sand shall be undertaken only to a depth of 0.75 meter as specified in the Quarrying plan and the RL of the river bed shall not be less than 25.25 MSL in the upper reach and 24.25 MSL at lower reach.
7. Use of mechanized boats fitted with engines and suction pumps are strictly prohibited
8. No in stream mining shall be undertaken.
9. The quarrying operations shall not intersect groundwater table.
10. No quarrying shall be undertaken outside the area specified in this environmental clearance letter. This Environmental Clearance is valid for location mentioned above only. Any change in the location and modification in the mining plan, shall be undertaken only with fresh approval and Environmental Clearance.
11. Waste rock/ pebbles/clay, etc. shall be stacked appropriately in such a way that it does not obstruct the river flow and shall be used for backfilling of mined out pits.
12. Regular monitoring of groundwater level and quality shall be carried out in and around the project by establishing a network of existing wells and installing new piezometers during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bangalore, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
13. The project authority should implement suitable conservation measures to augment groundwater resources in the area in consultation with the Regional Director, Central Ground Water Board within 3 months and report be submitted to the Authority.
14. The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (groundwater or surface water) required for the project.
15. Mineral handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
16. Proper sanitary facilities should be installed for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the labourers.
17. Site specific eco restoration plan shall be implemented.
18. The infrastructure of transport roads should be improved by the project authorities.
19. Link road from the Quarry site to main road shall be maintained and black topped by the project proponent.
20. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
21. The following procedure laid down in Appendix XII of the EIA Notification, 2006 (as amended vide Notification No. S.O. 141 I dated 15<sup>th</sup> January 2016) for monitoring of sand mining or riverbed mining shall be followed:

- i. The security feature of Transport Permit shall be as under:
  - a) Printed on Indian Banks' Association (IBA) approved Magnetic Ink Character Recognition (MICR) Code paper.
  - b) Unique Barcode.
  - c) Unique Quick Response (QR) code.
  - d) Fugitive Ink Background.
  - e) Invisible Ink Mark.
  - f) Void Pantograph.
  - g) Watermark.
- ii. Requirement at Mine Lease Site:
  - a) Small Size Plot (Up to 5 hectare): Android Based Smart Phone.
  - b) Large Size Plots (More than 5 hectare): CCTV camera, Personal Computer (PC), Internet Connection, Power Back up.
  - c) Access control of mine lease site.
  - d) Arrangement for weight or approximation of weight of mined out mineral on basis of volume of the trailer of vehicle used.
- iii. Scanning of Transport Permit or Receipt and Uploading on Server:
  - a) Website: Scanning of receipt on mining site can be done through barcode scanner and computer using the software;
  - b) Android Application: Scanning on mining site can be done using Android Application using smartphone. It will require internet availability on SIM card;
  - c) SMS: Transport Permit or Receipt shall be uploaded on server even by sending SMS through mobile. Once Transport Permit or Receipt get uploaded, an unique invoice code gets generated with its validity period.
- iv. Proposed working of the system:

The State Mining Department should print the Transport Permit or Receipt with security features enumerated at Paragraph i above and issue them to the mine lease holder through the Deputy Commissioner. Once these Transport Permits or Receipts are issued, they would be uploaded on the server against that mine lease area. Each receipt should be preferably with pre-fixed quantity, so the total quantity gets determined for the receipts issued.

When the Transport Permit or Receipt barcode gets scanned and invoice is generated, that particular barcode gets used and its validity time is recorded on the server. So all the details of transporting of mined out material can be captured on the server and the Transport Permit or Receipt cannot be reused.

- v. Checking On Route:

The staff deployed for the purpose of checking of vehicles carrying mined mineral should be in a position to check the validity of Transport Permit or Receipt by scanning them using website, Android Application and SMS.

- vi. Breakdown of Vehicle:

In case the Vehicle breakdown, the validity of Transport Permit or Receipt shall be extended by sending SMS by driver in specific format to report breakdown of vehicle. The server will register this information and register the breakdown. The State can also establish a call centre, which can register breakdowns of such

vehicles and extend the validity period. The subsequent restart of the vehicle also should be similarly reported to the server or call centre.

vii. Tracking of Vehicles:

The route of vehicle from source to destination can be tracked through the system using check points, RFID Tags, and GPS tracking.

viii. Alerts or Report Generation and Action Review:

The system will enable the authorities to develop periodic report on different parameters like daily lifting report, vehicle log or history, lifting against allocation, and total lifting. The system can be used to generate auto mails or SMS. This will enable the District Collector or District Magistrate to get all the relevant details and shall enable the authority to block the scanning facility of any site found to be indulged in irregularity. Whenever any authority intercepts any vehicle transporting illegal sand, it shall get registered on the server and shall be mandatory for the officer to fill in the report on action taken. Every intercepted vehicle shall be tracked.

22. The Project Proponent shall comply with provision contained in OM vide F.No. 22-65/2017-IA.III Dated 20th October 2020 , of the Ministry of Environment, Forest and Climate Change as applicable, regarding Corporate Environment Responsibility and shall execute the action plan of Providing solar power panels & Books, Rain water harvesting pits , Health Camp in the GLPS school at Molahally Village, Kundapura Taluk, Udupi District, Conducting E-waste drive campaigns at Molahally Village and Scientific support and awareness to local farmers to increase yield of crop and fodder as submitted in Parivesh portal. Compliance in this regard shall be submitted to SEIAA while furnishing the Half Year Compliance reports.
23. Safe drinking water has to be provided at the quarry site.

**B. SPECIAL CONDITIONS:**

The Ministry of Environment, Forest and Climate has constituted a Committee to formulate the "Guidelines for Sustainable Sand Mining in the Country". The Guidelines, inter-alia, included the following recommendations. The Project Proponent shall implement the following special conditions so as to mitigate then environment impact of mining activities:-

Impact Category	S. No.	Environmental Conditions
Stakeholder Engagement	1.	The project proponent shall create stakeholder awareness and ability to raise concerns and shall get it addressed.
	2.	Valid lease and all the permits is very much needed for undertaking mining / quarrying activity.
	3.	Monitoring Committee including Local Panchayat, to check on traffic due to transportation shall be established and submit an annual report on the same.
	4.	The directions given by the Hon'ble Supreme Court of India vide order dated 27.02.2012 in Deepak Kumar case [SLP(C) Nos. 19628-19629 of 2009] and order dated 05.08.2013 of the Hon'ble National Green Tribunal in application No. 171/2013 may be strictly followed.
	5.	All the provisions made and restrictions imposed as covered in the Minor Mineral Rule, shall be complied with, particularly regarding Environment Management Practices and its fund

		management and Payment of compensation to the land owners.
<b>Sustainable Mining Practices</b>	6.	District level Survey Report prepared and area suitable for mining and area prohibited for mining identified shall be adhered to.
	7.	No River sand mining be allowed in rainy season i.e., 5 <sup>th</sup> June to 15 <sup>th</sup> October every year.
	8.	Annual replenishment report certified by an authorized agency be prepared. In case the replenishment is lower than the approved rate of production, then the mining activity / production levels shall be decreased / stopped accordingly till the replenishment is completed.
	9.	Ultimate working depth shall be limited to the level fixed in this Environmental Clearance from Riverbed level and not less than one meter from the water level of the River channel whichever is reached earlier. In hilly terrain this depth be preferably restricted to one meter.
	10.	In River flood plain mining a buffer of 3 meter to be left from the River bank for mining.
	11.	Mining shall be done in layers of depth permitted as per this clearance to avoid ponding effect and after first layer is excavated, the process will be repeated for the next layers.
	12.	To maintain safety and stability of Riverbanks i.e. 3 meter or 10% of the width of the River whichever is more will be left intact as no mining zone.
	13.	No stream should be diverted for the purpose of sand mining. No natural water course and/ or water resources are obstructed due to mining operations.
	14.	No blasting shall be resorted to in River mining and without permission at any other place.
	15.	Depending upon the location, thickness of sand, deposition, agricultural land/Riverbed, the method of mining shall be manual.
<b>Identification and Preparation of Mining Site</b>	16.	Mining should be done only in area / stretch identified in the District Level Survey Report suitable for mining and so certified by the Sub- Divisional Level Committee after site visit.
	17.	Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the mining official and its geo coordinates are made available to the District Level Committee.
<b>Monitoring the Mining of Mineral and its Transportation</b>	18.	The EC holder shall keep a correct account of quantity of mineral mined out, dispatched from the mine, mode of transport, registration number of vehicle, person in-charge of vehicle and mine plan. This should be produced before officers of Central Government and State for inspection.
	19.	For each mining lease site the access should be controlled in a way that vehicles carrying mineral from that area are tracked and accounted for.
	20.	The State / District Level Environment Committee should use technology like Bar Coding, Information and Communications Technology (ICT), Web based and ICT enabled services, mobile SMS App etc. to account for weight of mineral being taken out of

		the lease area and the number of trucks moving out with the mineral.
	21.	There should be regular monitoring of the mining activities in the State to ensure effective compliance of stipulated EC conditions and of the provisions under the Minor Mineral Concessions Rules framed by the State Government.
<b>Noise Management</b>	22.	Noise arising out of mining and processing shall be abated and controlled at source to keep within permissible limit.
	23.	Restricted working hours. Sand mining operation has to be carried out between 6 am to 7 pm.
<b>Air Pollution and Dust Management</b>	24.	The pollution due to transportation load on the environment will be effectively controlled and water sprinkling will also be done regularly.
	25.	Air Pollution due to dust, exhaust emission or fumes during mining and processing phase should be controlled and kept in permissible limits specified under environmental laws.
	26.	The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Wheel washing facility should be installed and used.
<b>Management of Visual Impact</b>	27.	The mining operations are to be done in a systematic manner so that the operations shall create a major visual impact on the site.
<b>Bio-Diversity Protection</b>	28.	Restoration of flora affected by mining should be done immediately. Twice the number of trees destroyed by mining to be planted preferably of indigenous species. Each EC holder should plant and maintain for lease period at least 5 trees per hectare in area near lease.
	29.	No mining lease shall be granted in the forest area without forest clearance in accordance with the provisions of the Forest Conservation Act, 1980 and the rules made thereunder.
	30.	Protection of turtle and bird habitats shall be ensured.
	31.	No felling of tree near quarry is allowed. For mining lease within 10km of the National Park / Sanctuary or in Eco-Sensitive Zone of the Protected Area, recommendation of Standing Committee of National Board of Wild Life (NBWL) have to be obtained as per the Hon'ble Supreme Court order in I.A. No. 460 of 2004.
	32.	Spring sources should not be affected due to mining activities. Necessary Protection measures are to be incorporated.
	<b>Management of Instability and Erosion</b>	33.
34.		Adequate steps shall be taken to check soil erosion and control debris flow etc. by constructing suitable engineering structures in a scientific way
35.		Oversize material be used to control erosion and movement of sediments
36.		No overhangs shall be allowed to be formed due to mining and mining shall not be allowed in area where subsidence of rocks is likely to occur due to steep angle of slope.
37.		No extraction of stone / boulder / sand in landslide prone areas.

	38.	Controlled clearance of riparian vegetation to be undertaken
<b>Waste Management</b>	39.	Site clearance and tidiness is very much needed to have less visual impact of mining.
	40.	Dumping of waste shall be done in earmarked places as approved in Mining Plan.
	41.	Rubbish burial shall not be done in the Rivers.
<b>Pollution Prevention</b>	42.	The EC holder shall take all possible precautions for the protection of environment and control of pollution.
	43.	Effluent discharge shall be prevented and it should meet the standards prescribed if discharged after appropriate treatment.
<b>Protection of Infrastructure</b>	44.	Mining shall not be undertaken in a mining lease located in 200-500 meter of bridge, 200 meter upstream and downstream of water supply / irrigation scheme, 100 meters from the edge of National Highway and railway line, 50 meters from a reservoir, canal or building, 25 meter from the edge of State Highway and 10 meters from the edge of other roads except on special exemption by the Sub-Divisional level Joint Inspection Committee.
	45.	For carrying out mining in proximity to any bridge or embankment, appropriate safety zone (not less than 200 meters) should be worked out on case to case basis, taking into account the structural parameters, location aspects and flow rate, and no mining should be carried out in the safety zone so worked out.
	46.	Mining activities shall not be done for mine lease where mining can cause danger to site of flood protection works, places of cultural, religious, historical, and archaeological importance.
<b>Enhancement Road Safety</b>	47.	Vehicles used for transportation of sand are to be permitted only with of fitness and PUC Certificates.
	48.	Junction at takeoff point of approach road with main road be properly developed with proper width and geometry required for safe movement of traffic by concession holder at his own cost.
	49.	Project Proponent shall ensure that the road may not be damaged due to transportation of the mineral; and transport of minerals will be as per IRC Guidelines with respect to complying with traffic congestion and density.
	50.	No stacking allowed on road side along National Highways.
<b>Closure and Reclamation of Mined Out Area</b>	51.	The Project Proponent shall undertake phased restoration, reclamation and rehabilitation of land affected by mining and completes this work before abandonment of mine.
	52.	Restoration, reclamation and rehabilitation in cluster should be done systematically and jointly by each EC holder in that cluster. This should be appropriately reflected as EC condition in each EC in cluster.
	53.	Site specific plan with eco-restoration should be in place and implemented.
<b>Health and Safety</b>	54.	Health and safety of workers should be taken care of.
	55.	Transport of mineral will not be done through villages / habitations.
	56.	The Project Proponent shall make arrangement for drinking water, first aid facility (along with species specific anti-venom provisioning) in case of emergency for the workers.
	57.	Project Proponent shall implement the Disaster Management Plan

		if the mine lease area is located in Seismic Zone-IV. Project Proponent shall appoint a Committee to have a check over any disaster to warn workers well before for the safety of the workers. Emergency helpline number will be displayed at all levels.
	58.	Project Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and records maintained; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smokers, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. Recommendations of National Institute for Labour for ensuring good occupational environment for mine workers would also be adopted.
<b>Monitoring the Impact of Mining</b>	59.	The Project Proponent shall report monitoring data on replenishment, traffic management, levels of production, River Bank erosion and maintenance of Road etc. to the State Level Environment Impact Assessment Authority along with half yearly monitoring report of EC conditions.
<b>Mineral Conservation</b>	60.	Use of alternate material such as M-sand in place of natural River sand shall be encouraged in order to reduce stress on natural ecosystem.

#### A. GENERAL CONDITIONS

1. No change in quarrying technology and scope of working should be made without prior approval of the SEIAA Karnataka.
2. No change in the calendar plan including excavation, quantum of mineral and waste should be made.
3. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the MoEF, Govt. of India, New Delhi.
4. Data on ambient air quality (PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the SEIAA Karnataka and the Regional Office, MoEF, Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.
5. Fugitive dust emission from all the sources should be controlled regularly. Water spray arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
6. Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with earplugs / muffs.
7. Waste water from the quarry should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th may 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of effluents.
8. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
9. Occupational health surveillance program of the workers should be undertaken periodically i.e. once in 3 months to observe any contractions due to exposure to dust and take corrective measures, if needed. Quarterly report in this regard should be

- submitted to the Department of Environment and Ecology, Govt. of Karnataka and the Karnataka State Pollution Control Board and the Regional Office, MoEF, Bangalore.
10. A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the organization. The Environment management committee should be constituted with one of the member representing nearby village.
  11. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA Karnataka, the Department of Environment and Ecology, Govt. of Karnataka, and Ecology, Government of Karnataka, and the Regional Office, MoEF, Bangalore.
  12. The project authorities should inform the SEIAA Karnataka, Department of Environment and Ecology, Govt. of Karnataka, and the Regional Office, MoEF, Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
  13. The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data / information / monitoring reports.
  14. The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the SEIAA Karnataka, Department of Environment and Ecology, Government of Karnataka and the APCCF, Regional Office, MoEF, Bengaluru; the Central Pollution Control Board and the Karnataka State Pollution Control Board.
  15. **Half Yearly Compliances Reports (HYCRs) on the Environmental Conditions stipulated in the Environmental Clearance (EC) letter shall be submitted strictly through the dedicated module of PARIVESH 2.0 in the timely manner on or before 1<sup>st</sup> June and 1<sup>st</sup> December of Each calendar year as per MoEF&CC O M dated 14.06.2024. The HYCRs with its contents of a covering letter, compliance reports, and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the name of project, EC No. & date, period of submission and to be sent to the Regional Office of MOEF&CC by email only at email ID ros.z.bng-mefcc@gov.in. Hard copy of HYCRs shall not be acceptable.**
  16. A copy of the clearance letter will be marked to the concerned Panchayath. Local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
  17. The project proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.
  18. The Karnataka State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's office for 30 days.
  19. **The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance**

letter is available with the State Pollution Control Board and also at <http://environmentclearance.nic.in> website of the MoEF&CC. A copy of the same should be forwarded to the Department of Environment and Ecology, Government of Karnataka and the Regional Office, MoEF&CC, Bangalore.

20. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.
21. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
22. The SEIAA or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.
23. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
24. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under.
25. In case of any material supported by documents/ court orders which is contrary to the claim of the applicant and material facts produced, the SEIAA reserves the right to withdraw the EC at any point of time.

**Additional Conditions:**

1. The PP should get the health check-up done for the quarry workers on half yearly basis and submit report periodically.
2. The PP shall provide protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
3. The PP shall provide proper sanitary facilities for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the workers.
4. Dust suppression measures have to be strictly followed.
5. The PP shall grow trees all along the approach road & buffer zone during the first year of operation. Wherever it is not feasible to plant a tree due to geographical conditions or space constrain in the proposed project area, Proponent shall plant a tree elsewhere surrounding that area in location like School/college/Hostels/Temple etc., undertaking and contact details and Email IDs of beneficiary shall be submitted. The PP shall plant Halasu, Nerale, Mavu, Sampige, Badam, Sandalwood, Honne, Beete, Neem, Honge and other native species in their Project premises.
6. The PP shall construct a rain water harvesting structure/ recharge pits in the project area. If geographical conditions or space constrain in the proposed project area not permites to do so, Proponent shall built a Rain water Harvesting structures / recharge pits elsewhere surrounding that area in location like School/college/Hostels/Temple etc., undertaking and contact details and Email IDs of beneficiary shall be submitted.

7. The Project Proponent shall strengthen the approach road atleast by laying mettle road with minimum thickness of 20 CM of gravel and 2 layers of metal (minimum 7.5 CM thickness) however, Proponent shall adapt asphaltting or Concrete Road as per IRC standard if desired.
8. The Project Proponent shall implement mine closure plan effectively after mining operation
9. Mining should be carried out after due replenishment every year
10. The Project Proponent shall abide by the Sustainable sand mining guidelines 2016 and Enforcement & Monitoring Guidelines 2020
11. The Project Proponent shall comply with the Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022 and for any violation against the Directions of Hon'ble NGT Directions in O.A 194/2020 dated 15.09.2022, the Proponent would be held responsible.
12. The Project Proponent shall follow Labour laws and Mines Act in the proposed project.
13. The PP shall regularly submit the compliance for the CER commitments regularly in HYCR. In case, PP has not fulfilled CER as committed shall be liable to pay Penalty and Environmental Compensation as per the provision of The Jan Vishwas Act-2023. Affidavit in this regard shall be submitted.
14. The PP shall source external water from KGWA approved water tankers/Borewell.
15. Any misrepresentations in regard to clarifications submitted by the Consultant on behalf of PP is also shall be held liable.
16. Over and above the CER activities committed by the proponent in SEAC meeting, Proponent shall also consider adopting a near by water body for improvement like desilting, foreshore plantation and maintenance, Water supply and Sanitary facility to near by Govt. Schools.

Yours faithfully,

(Vijay Mohan Raj V)  
Member Secretary,  
SEIAA, Karnataka.

**Copy to:**

1. The Secretary, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, Aliganj, New Delhi – 110 003.
2. The Director, Department of Mines and Geology, Khanija Bhavan, Race course road, Bangalore – 560 001.
3. The Member Secretary, Karnataka State Pollution Control Board, Bengaluru.
4. The APCCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IV Floor, E & F wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bengaluru – 560 034.
5. Guard File.